

Technical Data Sheet

Gapex HPP30GR24HB BLACK

Polypropylene Homopolymer

LyondellBasell Industries

Engineering Plastics

General	
Filler / Reinforcement	• Glass\Mineral, 31% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.15	1.15 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	5.5 g/10 min	5.5 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	8500 psi	58.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	4.0 %	4.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	660000 psi	4550 MPa	
Tangent : 73°F (23°C)	810000 psi	5580 MPa	
Flexural Strength (73°F (23°C))	12600 psi	86.9 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	6.3 ft·lb/in	340 J/m	ASTM D4812
Gardner Impact (73°F (23°C))	3.00 in·lb	0.339 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	312 °F	156 °C	
264 Psi (1.8 Mpa), Unannealed	280 °F	138 °C	

Additional Information
Testing and measurements were performed at 73 +/-3°F and 50 +/-5% relative humidity unless otherwise noted.

Notes

These are typical property values not to be construed as specification limits.